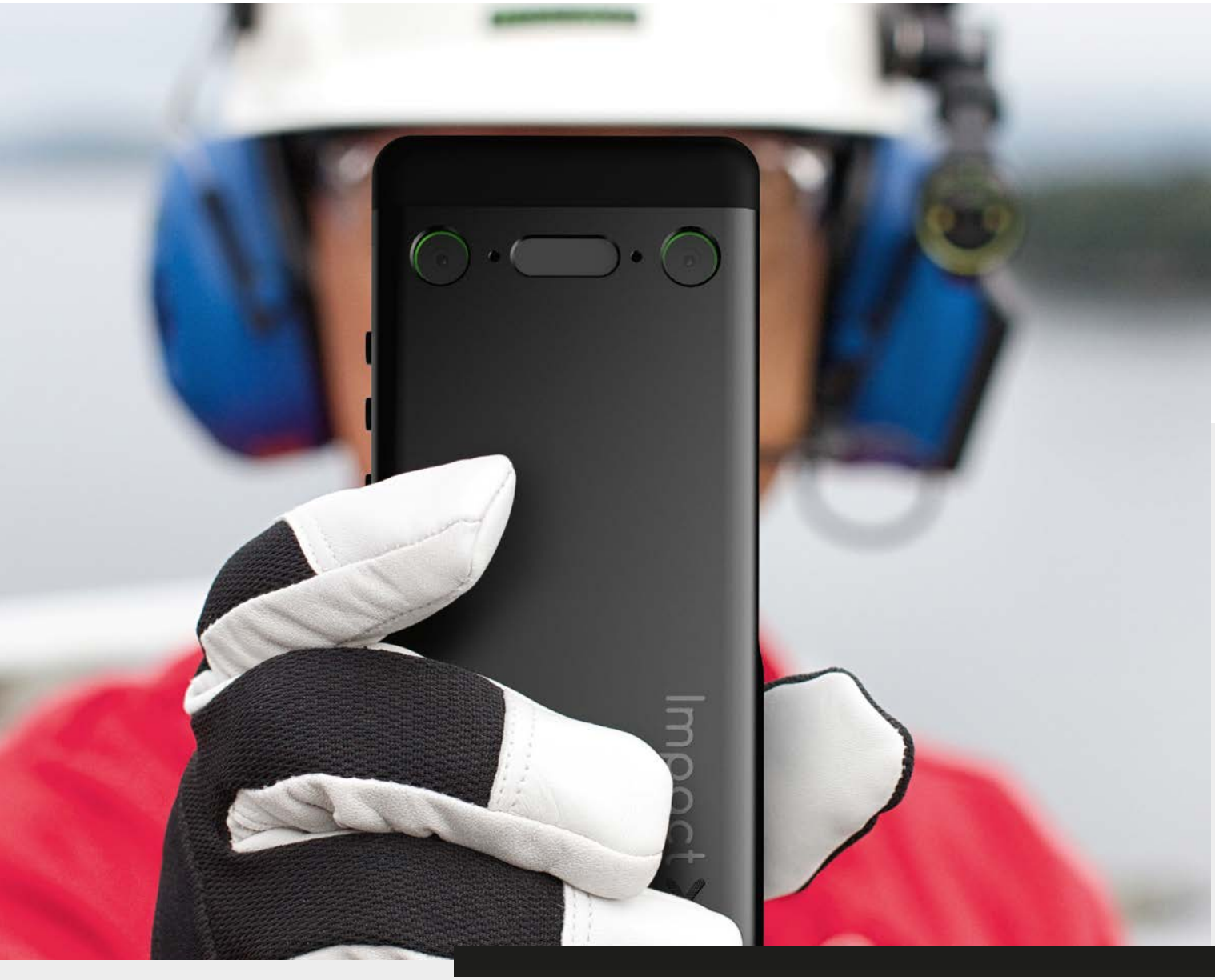
BARTEC PIXAVI



Impact X® INTRINSICALLY SAFE SMARTPHONE

Impact X® INTRINSICALLY SAFE SMARTPHONE

BARTEC PIXAVI

Zone 1

FlipScape™

200 %
Double capacity

Extended temperatures

Rugged/Waterproof

Class 1, Division 1

The BARTEC PIXAVI Impact X is the toughest smartphone you will ever meet. This intrinsically safe smartphone has all the functionality you will expect from a regular smartphone. The CSA, IECEx and ATEX certification has not compromised the quality and usability. The device is explosion proof and rated for use in hazardous areas. The Impact X is the next generation wireless video communication technology from BARTEC PIXAVI.

The Impact X intrinsically safe smartphone is a very powerful product, both on the inside and on the outside. It has the latest processors and software.
Rugged, waterproof, lightweight aluminum chassis, as well as CSA, IECEx and ATEX certification makes it the most versatile smartphone ever built.

APPLICATIONS	FEATURES	BENEFITS	SPECIFICATIONS
Oil and Gas	HD video streaming	Make better decisions	Double battery capacity
Petrochemical	High end imaging	Increase flexibility	CSA, ATEX and IECEx
Mining	Light and flexible	Decrease travel expenses	Rugged, IP 68
Manufacturing	Glove compatible	Improve work routines	Android 4.2.2 Jelly Bean

NO COMPROMISES

Ruggedized and Ex certified products have been synonymous with low performance, outdated technology and bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their Ex certified devices as consumer devices. We also added some features that no other smartphone has.

VIDEO AND IMAGING CENTRIC

We designed the Impact X smartphone with hazardous industrial environments in mind, where battery lifetime, ruggedness, usability, sunlight readability, glove compatibility and camera performance is essential. The high end optics, custom buttons, high end imaging sensors and Android operating system ensures that the device can be used for imaging, documentation, inspection and many other tasks.

ERGONOMIC FEATURES

Flipscape™: One-hand videography, anti smuge recess for camera glass, anti smuge coating on glass, dedicated camera button, glove compatible touch screen, moisture immune touch screen, ergonomic grip and hand strap makes it useable and ergonomic.

FLIPSCAPE™ EXPLAINED

Did you ever wonder why many mobile videos are shown in a narrow strip in the middle of the video window on YouTube? The reason is that people want to hold their phone with one hand when recording videos.The orientation of the camera on a standard phone follows the screen ratio and you will therefore not get an optimal ergonomic experience. BARTEC PIXAVI have solved this problem by adding a second camera on the back of the device that is rotated 90 degrees compared to the standard camera.

Ahead of its times. The most versatile intrinsically safe smartphone of the world.

SHIPS WITH TELEPRESENCE APP

The Impact X ships with the SIPIDO telepresence app that allows the user to stream live HD video to any location. This allows you to extend your video conferencing service to the field. Remote troubleshooting, inspection and surveillance has never been easier. This app is also available on other devices.

ANDROID 4.2.2 (JELLY BEAN)

Android is the preferred operating system for mobile devices. The reason is simple, running Android, the Impact X is secure, stable, updated and you have access to a huge library of applications. Bring any app into hazardous areas, including a wide range of value adding applications and services, such as mobility and ERP solutions, device management, video conferencing applications and every other Android app.

ENTERPRISE ADAPTED APPS

Today's workers expects the same snappy performance in their enterprise apps as they do at home when playing Angry Birds. The Impact X can help organizations realize their mobility strategies by offering the horsepower to run any App developed for Android. For example ERP, RFID and Barcode Reading, video conferencing and device management to mention a few. This means new usage scenarios and applications in many industries. The custom-built video conferencing application called SIPIDO, allows the user to conduct live video conferencing sessions and stream video from the field. Work smarter and solve problems remotely, without having to send experts and technicians to the site. This saves travel costs and time. This device as an enabler for many smart innovations within hazardous areas. It gives the user an unprecedented versatile and powerful platform.

IMMUNE TO THE ELEMENTS

The Impact X is ruggedized to an extent that makes it able to take almost any challenge the environment might throw at it. It is impact, drop, dust, corrosion, water and explosion proof. It also has the ability to withstand extreme temperatures. It has a special glass sealing method with IP 68 Corning Gorilla glass (2 mm thick) and a Sunlight readable IPS display.

DOUBLE BATTERY CAPACITY

The Impact X is stuffed with advanced technology in order to offer the best possible performance. Modern mobile processors ensures the lowest possible power consumption. The device also has double the battery capacity (2800 mAh) compared to other smartphones, to ensure a full workday with active use.

MACHINED FROM ALUMINUM

The Impact X chassis is machined from one piece of high quality Norwegian aluminum in order to provide the ruggedness, durability and high quality feel the product deserves. It is fitted with rubber details and raised buttons made out of a durable but yet comfortable material. This is arguably the toughest smartphone ever built!

WEARABLE KIT

Hands-free operation is often required when working in the hazardous area. This is why we have developed a wearability kit that enables Impact X to be mounted on a wrist cradle and the Orbit X to be mounted on a helmet, headset, wall mount, or telescopic pole. The result is a completely wireless and hands free mobile worker kit.

« The Impact X has received the Award for Design Excellence. »

AWARD FOR DESIGN EXCELLENCE
NORWEGIAN DESIGN COUNCIL

BARTEC PIXAVI

Certifications

Explosion protection	
ATEX	Ⓔx II 2G Ex ib op is IIC T4 Gb
IECEx	Ex ib op is IIC T4 Gb
CSA	Class I, Ex ib IIC T4 Gb
CSA US	Class I, AEx ib IIC T4 Gb
Wireless	CE und FCC
HS Code	8517.12.00
Country of Origin	«Made in Norway»

Temperature range

Operating temperature	-20 °C to +45 °C
Storage temperature	-40 °C to +60 °C

Video & Imaging

Video quality	Full HD video (1080 p, 30 fps)
Imaging	8 megapixel still images
Image capture	Dedicated camera button
Video codecs	H.264/AVC
Zoom	4 x
Storage capacity	32 GB

Ruggedness

Impact	2 Joule Impact proof
Drop	2 meter drop proof
Submersible	IP 68 waterproof
Housing	Made from one piece of Aluminium
Connections	Covered USB port
Screen	2 mm Gorilla glass

Audio

Microphone	Digital omni directional microphone
Audio	Full duplex audio communication
Video recording	Stereo microphones on back
Headset	Handsfree support
Wireless Headset	Bluetooth audio headset support
Handsfree	Integrated mic and speaker
Audio codec	CD quality AAC LD
Sound quality	Echo cancellation
Audio out	3.5 mm standard connection

Sensors

Orientation	3 axis gyroscope
Positioning	Global Positioning System (GPS)
Acceleration	Accellerometer
Navigation	Compass
Temperature	Sensor
Pressure	Sensor

Power input

Battery	3000 mAh
Standby	400 h
Talk time	8 h
Video streaming	4 h full operating time

Scope of Delivery

Charger	USB
Warranty	1 year hardware warranty
User Manual	Quick guide
USB cable	USB cable for charging and data transfer
Software updates	Available through Collaboration Suite
Product box	with custom shaped foam inlays

Size and Weight

Size	150 mm x 65 mm x 12 mm
Weight	290 g (10 oz)

Display and touchscreen

Screen size	4.3" Retina display
Resolution	480 x 800 pixels
Brightness	Direct sunlight readable display
Touch Screen	Glove compatible capacitive touch
Glas	Gorilla Glas (IP 68)
Buttons	On/Off, Volume, Camera, Android

Applications

HD Video Collaboration	SIPIDO
Management Solution	Collaboration Suite
Browser	Full blown HTML5
Document Viewing	PDF and Office documents
ERP	Compatible with ERP systems
Apps	Google Play, Dropbox™, Picasa™, Flickr™

Ergonomics

Image capture	Flipscape™: One hand videography
Dirt proof	Anti smuge recess for camera glass and screen
Touchscreen	Glove compatible, moisture resistive
Form factor	Fits in hand and pocket
Dropped object	Hand strap for ergonomic grip

Networking

Wi-Fi	802.11 a/b/g/n (2.4 GHz & 5 GHz)
Cellular	3G/HSPA+ (CDMA available)
Bluetooth	Bluetooth 4.0
Video Conferencing	Skype, SIP, H.323
Streaming	ISMA, RTSP, HTML5, WebRTC
Network	Firewall traversal technology STUN server support
Bandwidth	Dynamic Bandwidth Control
QoS	Diffserv, IP presedence (QoS)

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